

WEST Search History

DATE: Wednesday, July 30, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L6	l4 not l5	13	L6
L5	L1 same (lactococcus or lactobacillus or lactis or (lactic adj acid adj bacteria))	16	L5
L4	L1 and (lactococcus)	26	L4
L3	L1 and (lactococcus or lactobacillus or lactis or (lactic adj acid adj bacteria))	371	L3
L2	L1 and (lactococcus or lactobacillus)	56	L2
L1	hemin or haemin	1693	L1

END OF SEARCH HISTORY

09/767680
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 19:18:12 ON 17 DEC 2002

L1 11094 S (LACT? (2W) BACTERI?)
L2 10 S L1 AND PORPHYRIN
L3 24 S L1 AND PORPHYR?
L4 14 S L3 NOT L2

L2 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2002:31621 CAPLUS

TI Method of improving biomass yield of lactic acid
bacterial cultures

IN Jensen, Peter Ruhdal; Blank, Lars; Kobmann, Brian Jensen

PA Danmarks Tekniske Universitet, Den.

SO PCT Int. Appl., 50 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002002747	A2	20020110	WO 2001-DK468	20010705
	WO 2002002747	A3	20020510		
	AU 2001070482	A5	20020114	AU 2001-70482	20010705
	US 2002034815	A1	20020321	US 2001-898490	20010705
PRAI	US 2000-216356P	P	20000705		
	WO 2001-DK468	W	20010705		

L2 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2001:781390 CAPLUS

TI Porphyrin-containing lactic acid bacterial
cells and application for decreasing oxygen in food and feed

IN Geppel, Asger; Kringelum, Borge Windel; Hansen, Ken Flemming; Iversen,
Stig Lykke; Henriksen, Claus Maxel

SO U.S. Pat. Appl. Publ., 25 pp., Cont.-in-part of U.S. Ser. No. 488,644.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001033878	A1	20011025	US 2001-767680	20010124
PRAI	US 2000-488644	A2	20000121		
	WO 2001-DK36	A1	20010118		

L2 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 2001:545429 CAPLUS

TI Porphyrin-containing lactic acid bacterial
cells and application for decreasing oxygen in food and feed

IN Geppel, Asger; Kringelum, Borge Windel; Hansen, Ken Flemming; Iversen,
Stig Lykke; Henriksen, Claus Maxel

PA Chr. Hansen A/S, Den.

SO PCT Int. Appl., 48 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001052668	A2	20010726	WO 2001-DK36	20010118
	WO 2001052668	A3	20020110		
	AU 2001026651	A5	20010731	AU 2001-26651	20010118
	EP 1248536	A2	20021016	EP 2001-901132	20010118

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI US 2000-488644 A 20000121
WO 2001-DK36 W 20010118

priority
doc

L2 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:84951 CAPLUS
 TI Process for preparing starter cultures of lactic acid bacteria
 IN Duwat, Patrick; Sourice, Sophie; Gruss, Alexandra
 PA Institut National De La Recherche Agronomique, Fr.
 SO PCT Int. Appl., 32 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005342	A1	20000203	WO 1999-IB1430	19990726
	FR 2782093	A1	20000211	FR 1998-9463	19980724
	FR 2782093	B1	20020208		
	CA 2338365	AA	20000203	CA 1999-2338365	19990726
	AU 9950616	A1	20000214	AU 1999-50616	19990726
	BR 9912416	A	20010417	BR 1999-12416	19990726
	EP 1100868	A1	20010523	EP 1999-935013	19990726
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1998-9463	A	19980724		
	WO 1999-IB1430	W	19990726		

L2 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:233934 CAPLUS
 TI Culture media for growth and productivity enhancement of lactic acid bacteria
 IN Kaneko, Tsutomu; Mori, Hiroharu; Suzuki, Hideki
 PA Meiji Milk Products Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.

LA Japanese

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04036180	A2	19920206	JP 1990-141976	19900531
	JP 2991458	B2	19991220		

L2 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:447770 CAPLUS
 TI Diacetyl and acetoin manufacture with lactic acid bacteria
 IN Kaneko, Tsutomu; Takahashi, Masahiro; Suzuki, Hideki
 PA Meiji Milk Products Co., Ltd., Japan
 SO Eur. Pat. Appl., 8 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 430406	A2	19910605	EP 1990-310439	19900924
	EP 430406	A3	19911016		
	EP 430406	B1	19960522		
	JP 03219884	A2	19910927	JP 1990-78626	19900329
	JP 2901008	B2	19990602		
	US 5075226	A	19911224	US 1990-581601	19900912
	CA 2029249	AA	19910529	CA 1990-2029249	19901102
	AU 9067002	A1	19910606	AU 1990-67002	19901127
	AU 634603	B2	19930225		
PRAI	JP 1989-306405		19891128		
	JP 1990-78626		19900329		

*Journal
paper
in 105*

L4 ANSWER 1 OF 4 MEDLINE on STN DUPLICATE 1
AN 82254551 MEDLINE
DN 82254551 PubMed ID: 7103053
TI Affinity chromatography of heme-binding proteins: an **improved**
method for the synthesis of **hemin**-agarose.
AU Tsutsui K; Mueller G C
NC CA-07175 (NCI)
CA-09020 (NCI)
CA-23076 (NCI)
SO ANALYTICAL BIOCHEMISTRY, (1982 Apr) 121 (2) 244-50.
Journal code: 0370535. ISSN: 0003-2697.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198209
ED Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820917

L4 ANSWER 2 OF 4 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN
AN 82:239281 SCISEARCH
GA The Genuine Article (R) Number: NP311
TI AFFINITY-CHROMATOGRAPHY OF HEME-BINDING PROTEINS - AN **IMPROVED**
METHOD FOR THE SYNTHESIS OF **HEMIN** AGAROSE
AU TSUTSUI K (Reprint); MUELLER G C
CS UNIV WISCONSIN, MCARDLE LAB CANC RES, MADISON, WI, 53706
CYA USA
SO ANALYTICAL BIOCHEMISTRY, (1982) Vol. 121, No. 2, pp. 244-250.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 15

L4 ANSWER 3 OF 4 MEDLINE on STN DUPLICATE 2
AN 67250033 MEDLINE
DN 67250033 PubMed ID: 6010071
TI Studies on protoporphyrin (IX) and its related compounds. I.
Improved method for the preparation of pure protoporphyrin (IX)
from **Hemin**.
AU Meguro M; Ishibashi K; Yoshioka I
SO YAKUGAKU ZASSHI. JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN, (1966
Dec) 86 (12) 1138-42.
Journal code: 0413613. ISSN: 0031-6903.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA Japanese
FS Priority Journals
EM 196711
ED Entered STN: 19900101
Last Updated on STN: 19900101
Entered Medline: 19671111

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1915:11343 CAPLUS
DN 9:11343
OREF 9:1793d-g
TI A greatly **improved hemin** test for blood, with notes on
some recently proposed methods
AU Beam, W.; Freak, G. A.
SO Biochemical Journal (1915), 9, 161-70
CODEN: BIJOAK; ISSN: 0264-6021
DT Journal
LA Unavailable

AB The principle underlying this modification is the slow crystn. of hemin. Procedure: A small quantity of the suspected material is placed at the bottom of a flat As sublimation tube about 3 by 6 mm. and 35 mm. long. A few drops of acetic acid containing from 0.01 to 0.1% NaCl are added, and a very fine cotton thread adjusted so that its upper end is near the top of the tube and the lower end reaches to the bottom of the liquid. The thread should be everywhere in contact with the tube, to which it adheres readily by being moistened with the liquid. The adjustment is made by means of a glass rod, one end of which is drawn out for the purpose. The tube is now placed in a rack and allowed to remain until crystn. occurs. The clear liquid, filtered by its passage through and along the cotton thread, is slowly drawn up, by capillary action, to the mouth of the tube. Complete evapn. usually takes from 12 to 24 hrs. Crystals usually begin to appear on or near the upper half of the thread, and are sufficiently large to be distinguishable in about 1 hr. with a power of 75 diameters. Ultimately they become so large that, in place of requiring a magnification of 250 to 300 diameters, they may readily be seen with one of 25 diameters. Of the solvents used, acetic acid was found to be the best. Forms of halides other than NaCl showed no advantage.